



**Technical Details**      **Metric**      **Inch**

<b>Operating conditions</b>		
Maximum speed	1.0 m/sec	3.0 ft/sec
Temperature range	-45°C + 110°C	-50°F + 230°F
Maximum pressure	400 Bar	6000 p.s.i

**Maximum extrusion gap**

Pressure bar	160	250	400
Maximum gap mm	0.6	0.5	0.4
Pressure p.s.i	2400	3750	6000

**Surface roughness**

	µmRa	µmRt	µinCLA	µinRMS
Dynamic sealing surface	0.1 - 0.4	4 max	4 - 16	5 - 18
Static sealing face	1.6 max	10 max	63 max	70 max
Static Housing faces	3.2 max	16 max	125 max	140 max

**Chamfers & Radii**

Groove section ≤ Smm	4.0	5.0	7.5
Min chamfer C mm	3.0	3.5	5.0
Max fillet rad r <sub>1</sub> mm	0.2	0.4	0.8
Groove section ≤ S in	0.125	0.187	0.250
Min chamfer C in	0.093	0.093	0.125
Max fillet rad r <sub>1</sub> in	0.008	0.008	0.016

**Tolerances**

	Ød	ØD	Lmm
mm	f9	Js11	+0.25 - 0
in	+0.004 - 0	0 - 0.002	+0.010 - 0

**DESIGN**

QA-C has symmetrical lips that allows it to be used in both rod and piston applications. The seal design has a deep groove which ensures low friction and linear movement at low pressures. QA-C seal design has multiple bumps used as lubrication ports for low friction.

**FEATURES**

- Excellent wear resistant
- Flexible easy installation
- High resistance to extrusion
- Wide temperature range
- Low friction
- Improved sealing
- Increased seal stability

**MATERIAL**

Seal design comes in a variety of materials and sizes. For more information, please refer to MSDS datasheet

**APPLICATIONS**

Wide variety of applications